

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (Currently Amended): An injection-moulding device for injection moulding of plastic objects, comprising a mould which defines a mould cavity, in which mould is provided a flow channel for the at least partially liquid plastic, which flow channel extends through a manifold and a number of nozzles connected to the manifold, wherein the flow channel contains a number of transverse separating surfaces between structural components, and at least one transverse separating surface is bridged by a sealing element in the flow channel, wherein the sealing element is provided clampingly on the structural components and wherein the structural components defining the transverse separating surface are formed by the manifold and a nozzle.

Claim 2 (Currently Amended): An injection-moulding device for injection moulding of plastic objects, comprising a mould which defines a mould cavity, in which mould is provided a flow channel for the at least partially liquid plastic, which flow channel extends through a manifold and a number of nozzles connected to the manifold, wherein the flow channel contains a number of transverse separating surfaces between structural components, and at least one transverse separating surface is bridged by a sealing element in the flow channel, wherein the sealing element is provided clampingly on the structural components The device as claimed in claim 1, wherein the sealing element is provided with shrink fit or shrink-fitted into the structural components.

Claim 3 (Previously Presented): The device as claimed in claim 2, wherein the sealing element is provided on the structural components with an overmeasure in the dimension in axial direction.

Claim 4 (Previously Presented): The device as claimed in claim 1, wherein the sealing element is formed by a cylindrical bush, wherein the ratio of the diameter of the flow channel, wall thickness of the bush and height of the bush equals 22:2:10.

Claim 5 (Previously Presented): The device as claimed in claim 1, wherein the structural components are provided with a corresponding recess for the sealing element for housing of the sealing element.

Claim 6 (Previously Presented): The device as claimed in claim 5, wherein the recess has a form and dimension such that the passage of the flow channel over the seal remains constant.

Claim 7 (Previously Presented): The device as claimed in claim 1, wherein the sealing element is manufactured from a metal alloy, for instance a high chromium content alloy.

Claim 8 (Currently Amended): An injection-moulding device for injection moulding of plastic objects, comprising a mould which defines a mould cavity, in which mould is provided a flow channel for the at least partially liquid plastic, which flow channel extends through a manifold and a number of nozzles connected to the manifold, wherein the flow channel contains a number of transverse separating surfaces between structural components, and at least one transverse separating surface is bridged by a sealing element in the flow channel, wherein the sealing element is provided clampingly on the structural components ~~The device as claimed in claim 1, wherein an additional seal is provided between the structural components which is formed by self-sealing sealing rings which are arranged diametrically relative to the flow channel in the transverse separating plane.~~

Claim 9 (Cancelled).

Claim 10 (Currently Amended): The device as claimed in claim 9 1, wherein the nozzle is mounted on the manifold by means of a number of, preferably two, and more preferably four, independently controllable connecting elements.

Claim 11 (Previously Presented): The device as claimed in claim 10, wherein a connecting element is formed by a nut and bolt assembly, wherein the nut is preferably a clamp plate.

Claim 12 (Currently Amended): The device as claimed in claim 9 1, wherein an adaptor nozzle is provided between the manifold and a nozzle, wherein an angular displacement is possible between the manifold and the adaptor nozzle.

Claim 13 (Previously Presented): The device as claimed in claim 1, wherein the structural components defining the transverse separating surface are formed by nozzle parts.

Claim 14 (Currently Amended): The device as claimed in claim 13, wherein two semi-circular clamping plates are provided round the transverse separating surface for enclosing the outer periphery of the nozzles nozzle parts.

Claim 15 (Currently Amended): The device as claimed in claim 14, wherein the outer periphery of the nozzles nozzle parts is provided with a stepped portion and the clamping plates with a corresponding recess.

Claim 16 (Previously Presented): The device as claimed in claim 1, wherein the nozzle on the mould cavity runs out onto a gate, wherein the gate comprises an assembly displaceable in longitudinal direction.

Claim 17 (Previously Presented): The device as claimed in claim 16, wherein the sleeve extends over an expansion space in the gate.

Claim 18 (Cancelled).

Claim 19 (Previously Presented): The device as claimed in claim 1, wherein the device is provided with dual heating elements.

Claim 20 (Previously Presented): The device as claimed in claim 1, wherein the device is provided with dual thermocouples.

Claim 21 (Cancelled).

Claim 22 (New): An injection-moulding device for injection moulding of plastic objects, comprising a mould which defines a mould cavity, in which mould is provided a flow channel for the at least partially liquid plastic, which flow channel extends through a manifold and a number of nozzles connected to the manifold, wherein the flow channel contains a number of transverse separating surfaces between structural components, and at least one transverse separating surface is bridged by a sealing element in the flow channel, wherein the sealing element is provided clampingly on the structural components and wherein the structural components defining the transverse separating surface are formed by nozzle parts.

Claim 23 (New): The device as claimed in claim 22, wherein two semi-circular clamping plates are provided round the transverse separating surface for enclosing the outer periphery of the nozzle parts.

Claim 24 (New): The device as claimed in claim 23, wherein the outer periphery of the nozzle parts is provided with a stepped portion and the clamping plates with a corresponding recess.

Claim 25 (New): The device as claimed in claim 22, wherein the device is provided with dual heating elements.

Claim 26 (New): The device as claimed in claim 22, wherein the device is provided with dual thermocouples.

Claim 27 (New): An injection-moulding device for injection moulding of plastic objects, comprising a mould which defines a mould cavity, in which mould is provided a flow channel for the at least partially liquid plastic, which flow channel extends through a manifold and a number of nozzles connected to the manifold, wherein the flow channel contains a number of transverse separating surfaces between structural components, and at least one transverse separating surface is bridged by a sealing element in the flow channel, wherein the sealing element is provided clampingly on the structural components and wherein the device is provided with at least a pair of heating elements.

Claim 28 (New): The device as claimed in claim 27, wherein at least a pair of heating elements is located in each structural component.

Claim 29 (New): An injection-moulding device for injection moulding of plastic objects, comprising a mould which defines a mould cavity, in which mould is provided a flow channel for the at least partially liquid plastic, which flow channel extends through a manifold and a number of nozzles connected to the manifold, wherein the flow channel contains a number of transverse separating surfaces between structural components, and at least one transverse separating surface is bridged by a sealing element in the flow channel, wherein the sealing element is provided clampingly on the structural components and wherein the device is provided with at least a pair of thermocouples.

Claim 30 (New): The device as claimed in claim 28, wherein at least a pair of thermocouples is located in each structural component.